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**SEP 15 2005**

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Date/Time: 2005-09-15 14:00:23 GMT

To Fascimile Number: 15712738300

Attention: MAIL STOP: RCE

Company: USPTO

Re: Application No.: 09/874,872; Docket:

2001-0161A

Cover Message:

Please find attached an RCE in the  
above-referenced case.

Respectfully submitted,

The Law Office of Thomas M. Isaacson

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Application/Control Number: 09/874,872  
Art Unit: 2613

Docket No.: 2001-0161A

15. (Original) A method of encoding video content divided into a plurality of portions, each portion being associated with either a generic model or a model chosen from a plurality of predefined models, the method comprising:

routing each portion associated with the generic model to a generic encoder; and  
routing each portion associated with a model of the plurality of predefined models to an encoder associated with the chosen model.

16. (Original) The method of claim 15, wherein each encoder from the plurality of encoders is optimized for each predefined model of the plurality of models.

17. (previously presented) The method of claim 15, further comprising, before routing each portion to either a generic encoder or an encoder from the plurality of predefined encoders:

producing descriptors associated with the content of each portion; and  
using the descriptors to determine whether a generic model is associated with each portion.

18. (Original) A method of producing a bitstream coded according to video content, the method comprising:

extracting a plurality of portions from the video content;  
associating each portion of the plurality of portions to either a generic model or a predefined model chosen from a plurality of predefined models;  
routing each portion associated with a generic model to a generic encoder; and  
routing each portion associated with a model of the plurality of predefined models to one of a plurality of encoders, wherein each encoder of the plurality of encoders is associated with one of the predefined models.

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19. (Original) The method of claim 18, further comprising:  
multiplexing each portion and transmitting each portion in a bitstream.
20. (Original) The method of claim 18, further comprising:  
locating subsegments and regions of interest in the extracted portions.
21. (Currently Amended) A method of encoding a bitstream using a plurality of encoders, the method comprising:  
extracting segments from video content;  
mapping each extracted segment to a predefined model selected from a plurality of predefined models; and  
routing the extracted and mapped segments to one of the plurality of encoders based on the mapped segments, each encoder of the plurality of encoders being associated with one predefined model of the plurality of predefined models.
22. (Original) The method of encoding of claim 21, further comprising:  
after extracting the segments from the video content, locating subsegments and regions of interest in the extracted segments.
- 23-26. (Canceled)
27. (Original) A coded bitstream having portions of the bitstream encoded using different encoders according to models associated with the subject matter of each portion of the bitstream, the coded bitstream encoded according to the method of claim 1.

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28. (Original) A coded bitstream having portions of the bitstream encoded using different encoders according to models associated with the subject matter of each portion of the bitstream, the coded bitstream encoded according to the method of claim 18.

29. (Original) A coded bitstream having portions of the bitstream encoded using different encoders according to models associated with the subject matter of each portion of the bitstream, the coded bitstream encoded according to the method of claim 21.